



PO No	Supplier	Line Item No	Rel No	Terms	Purchased Item	Description	For Part No	Project	Equipment ID	Order Qty	Due Date	Received Quantity	Accounting Job No	Container No	Status	Receive Date	Price/Unit	Ag
PO039300	ACI001-VC	12	1	Net 30	M101BB2.000X02.500	1010-1025 Steel Bar 2.000 X 2.500 : MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570 OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W receive ft				12	3/19/2018	13		S052586	Stock	3/19/2018	\$ 26.68 / ft	
		13			MT-4140-R0.500	4140 Steel Round Bar 0.500" : AISI 4140 ROUND BAR AS PER ASTM A29/AMS 6349/AMS 6382/AMS 6529 MIN: ROCKWELL C = 20 RC MAX: ROCKWELL C = 38 RC receive ft				20		24		S052587	Stock	3/19/2018	\$ 2.40 / ft	

Plex 3/19/2018 10:26 AM Dart.Dubois.Pascal

# DELIVERY - CLIENT

Copy C000078652

## ACIER OUELETTE INC.

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1

Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CLI0001056  
Date 2018/03/14  
Delivery date 2018/03/16  
Your order N° 039300

**Billed to**  
DART AEROSPACE LTD

1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

**Shipped to**

, Ontario,

Att : CHANTAL LAVOIE

Tél.: 613-632-5200

Delivery Route 5

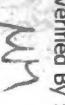
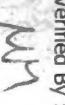
Page 1

Instruction	F-M	Delivery Route	5	Page	Internal Use Only										
					Product Description	Weight	Qty	U/M	CMD	EXP	B/O	IN	I	S	C
1	FLAT CR 2 X 2 1/2 1018 (R) FCR-2212 2813 1 X 12' R/L (HEAT: 170852)				204.00	12.00	PL-\$CLB		14	13	1	MAR 19 2018	DAS	11	9-89
	TRANSFERT ST-JEROME LE 15/03								13'						

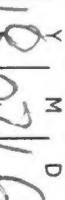
**Total Weight (lbs) :** 204.00

NIR : R-109516-6

**Conditions :**  
All sold and delivered materials remain the property of "Acer Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acer Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acer Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :	Verified By :
	

Delivered By:	Time
	118   03   16

Customer's Signature


**Total (\$CAD)**

# DELIVERY - CLIENT

Copy C000078594



## ACIER OUELLETTE INC.

935, Boul. du Havre  
Salaberry de Valleyfield (Québec) J6S 5L1  
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248  
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

### Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.  
HAWKESBURY, Ontario, K6A 1K7

### Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

### Instruction

F-M

### Delivery Route

5

### Page

1

### Product Description

### Weight

16.03

### Qty

24.00

### U/M

PI\_ \$CLB

### PCS NB

2X

### IN

1

### I

### S

### C

### OUT

### 1 ROUND 4140 HEAT TREAT 1/2 (R)

R4140-12H

4907

2 X 12" R/L

HEAT: 190696

transit st-jerome le 15/03

123"

241

1

MAR 19 2018

DAS 11 9-89

Customer N° CLI0001056  
Date 2018/03/14  
Delivery date 2018/03/16

Your order N° 39300  
Processed by Josianne Bourdon

Salesman OUELLETTE VALLEYFIELD  
Carrier Net 30 Days  
Credit Termes

Internal Use Only											
Product Description	Weight	Qty	U/M	CMD	EXP	B/O	IN	I	S	C	OUT
1 ROUND 4140 HEAT TREAT 1/2 (R) R4140-12H 4907 2 X 12" R/L HEAT: 190696 transit st-jerome le 15/03	16.03	24.00	PI_ \$CLB	2X	123"	241	1				DAS 11 9-89

### Conditions :

All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Prepared By :

Verified By:

Delivered By :	Time
----------------	------

Delivered By :	Time
----------------	------

Y M D

Total (\$CAD)

Customer's Signature

Date

# CERTIFICATE OF TEST

## CERTIFICAT D'ESAISS

Page 01 of 03

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

AC00011026

PART NUMBER/NUMÉRO DE PIÈCE

506031

DATE \_\_\_\_\_

Certification Date  
8-NOV-2017

VÉRIFIÉ PAR \_\_\_\_\_

Invoice Number  
S699724

SOLD TO: ACIER OUELLETTE INC

VENDU À: 22 BOULEVARD J-F KENNEDY  
ST JEROME QC J7Y 4B6

SHIP TO:  
EXPÉDIÉ À:

ACIER OUELLETTE INC.

22 BOULEVARD J F KENNEDY  
SAINT JEROME QC J7Y 4

Description: 4142 CF HEAT TREATED S/R OR STRESS FREE BAR  
1/2 RD X 120 RL  
HEAT: 190696

Line Total: 138 LB

ITEM: 506031

Specifications:

ASTM A434 CL BC 12  
ASTM A29/A29M 15  
ASTM A331 00  
MIC 2016 1 12  
ASTM A255 10  
ASTM E10 15  
ASTM E709 14

ASTM A193 GR B7 15  
ASTM A304 11  
ASTM A962/A962M 14  
MIC 2016 ADD 1 12  
ASTM E45 METHOD A 13  
ASTM E112 13

ASTM A108 13  
ASTM A322 13  
EN 10204 3.1 04  
SUPP 1  
ASTM A370 14  
ASTM E381 06

CHEMICAL ANALYSIS

C	MN	SI	P	S	CR	NI	MO
0.42	0.97	0.26	0.011	0.022	1.04	0.20	0.23
CU	AL	CA					
0.17	0.026	0.0008					

RCPT: R315238

COUNTRY OF ORIGIN : SPAIN

MECHANICAL PROPERTIES

DESCRIPTION	YLD STR KSI 130.0	ULT TEN KSI 145.0	%ELONG IN 02 IN 17.6	%RED IN AREA 58.8	HARDNESS BHN 307

The above data were transcribed from the manufacturer's Certificate of Test after verification for completeness and specification requirements of the information on the certificate. All test results remain on file subject to examination. /Les informations ci-haut-mentionnées sont transcris du certificat d'essais du manufacturier après vérification de l'état complet des spécifications inscrites sur le certificat. Nous certifions que le matériel couvert par ce rapport répond aux exigences spécifiques indiquées ci-haut.

The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES

MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

# CERTIFICATE OF TEST

## CERTIFICAT D'ESAIIS

Page 02 of 03

Certification Date  
8-NOV-2017

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

AC00011026

PART NUMBER/NUMÉRO DE PIÈCE

506031

Invoice Number  
S699724

SOLD TO:	ACIER OUELLETTE INC	SHIP TO:	ACIER OUELLETTE INC.
VENDU À:		EXPÉDIÉ À:	
	22 BOULEVARD J-F KENNEDY ST JEROME QC J7Y 4B6		22 BOULEVARD J F KENNEDY SAINT JEROME QC J7Y 4

Description: 4142 CF HEAT TREATED S/R OR STRESS FREE BAR  
1/2 RD X 12' R/L Line Total: 138 LB

HEAT: 190696 ITEM: 506031

END-QUENCH HARDENABILITY (JOMINY - RC)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
59	59	59	58	58	57	57	57	56	56	55	55	54	53	53
16	18	20	22	24	26	28	30	32						
52	51	50	47	46	44	43	42	41						

GRAIN SIZE :8 -

CLEANLINESS

	A		B		C		D	
	THIN MAX	THICK MAX	THIN MAX	THICK MAX	THIN MAX	THICK MAX	THIN MAX	THICK MAX
e45	1.5	0.0	1.0	0.0	0.0	0.0	0.5	0.0

STRAND CAST VACUUM DEGASSED  
MATERIAL IS FREE FROM MERCURY CONTAMINATION  
NO WELD REPAIR PERFORMED ON MATERIAL

THERMAL TREATMENT: OK

QUENCHING 1562 DEG F TIME 45 MINUTES COOLING OIL  
TEMP MEDIA AT THE START 95 DEG F; TEMP MEDIA AT THE FINISH  
122 DEG F. TEMPERING 1202 DEG F TIME 150 MINUTES COOLING  
AIR. STRESS RELIEVED 1102 DEG F TIME 120 MINUTES

MACRO: OK

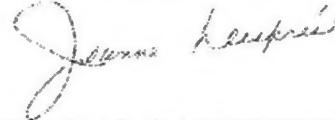
MICRO1: OK

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The willful recording of false, fictitious, or fraudulent statements in connection with test results may be punishable as a felony under federal statutes. /Les informations fausses, fictives ou frauduleuses en rapport avec le résultat des essais sont punissables en vertu des lois fédérales.

Material did not come in contact with mercury while in our possession./Par les présentes, nous certifions que le matériel couvert par ce rapport rencontre les spécifications décrites ci-haut.

JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

# CERTIFICATE OF TEST

## CERTIFICAT D'ESAIS

Page 03 of 03

Certification Date  
8-NOV-2017

CUSTOMER ORDER NUMBER  
NUMÉRO DE COMMANDE DU CLIENT

AC00011026

PART NUMBER/NUMÉRO DE PIÈCE

506031

Invoice Number  
S699724

SOLD TO:	ACIER OUELLETTE INC	SHIP TO:	ACIER OUELLETTE INC.
VENDU À:	22 BOULEVARD J-F KENNEDY ST JEROME QC J7Y 4B6	EXPÉDIÉ À:	22 BOULEVARD J F KENNEDY SAINT JEROME QC J7Y 4

Description: 4142 CF HEAT TREATED S/R OR STRESS FREE BAR  
1/2 RD X 12' R/L  
HEAT: 190696

ITEM: 506031

Line Total: 138 LB

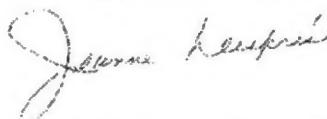
### COMMENTS

red. ratio : 167,8  
nondestructive tests = good  
free from radioactive contamination

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JOANNE DESPRES



MANAGER QUALITY ASSURANCE  
GÉRANT DE L'ASSURANCE QUALITÉ

10.78652 DART

**Customer Name**

ACIER OUELLETTE INC



COLD FINISHED  
FLAT BARS

**Customer PO#**

AC12975

Pol. Ina Basarte S/N  
20720 Arkotia (Gipuzkoa)  
Spain  
[www.nuevaincal.com](http://www.nuevaincal.com)  
CIF/VAT: ESA48415350

**Invoice No**

95632

Admin. y Finanzas / Accounts  
Tel.: (+34) 943 857 311  
(+34) 946 251 712  
Fax: (+34) 943 857 312  
nuevaincal@nuevaincal.com

**Shipper No**

89577

**Heat Number**

170852  
Comercial  
Tel.: (+34) 946 251 712  
Fax: (+34) 946 254 626  
mandoincal@nuevaincal.com

## CERTIFICADO DE CALIDAD

Destinatario :

Material : 1018 COLD ROLLED

**CERTIFICAMOS :** Que el material suministrado con cargo a los pedidos de referencia y amparado por nuestro albaran N° EX/4.752 y Fra. N° FV17/263 corresponden a los análisis y fusiones siguientes de acuerdo con la norma EN 10204 / 2.2:

S./Pedidos N°	Composición Química de la colada							Caract. mecánicas laminado			
	MATERIAL	CALIDAD	COLADA	C. %	Mn. %	Si. %	S. %	P. %	Re N/mm2	Rm N/mm2	A %
MON-55565	8 X 1/2		170719	0,18	0,73	0,21	0,004	0,022	545,00	572,00	13,00
MON-55565	8 X 1/2		171110	0,16	0,76	0,19	0,006	0,020	561,00	588,00	13,00
MON-55963	2-1/2 X 2		170852	0,18	0,71	0,17	0,003	0,016	543,00	570,00	15,00
MON-55963	4 X 1-3/4		153619	0,20	0,77	0,13	0,011	0,017	552,00	579,00	15,00
MON-55966	1-1/4 X 1/4		53944	0,17	0,74	0,15	0,035	0,017	377,00	534,00	37,10
MON-55966	3 X 1/4		54398	0,16	0,71	0,16	0,029	0,011	342,00	487,00	35,00
MON-55966	4 X 2		171342	0,15	0,84	0,14	0,007	0,020	571,00	597,00	15,00
MON-55966	4 X 2		171344	0,15	0,77	0,16	0,005	0,016	548,00	574,00	15,00
MON-56180	3/4 X 3/4		588833	0,17	0,73	0,16	0,028	0,015	328,00	506,00	30,30
MON-56180	1-1/4 X 3/16		53943	0,15	0,76	0,15	0,034	0,018	348,00	477,00	31,40
MON-56180	1-1/2 X 5/16		47386	0,15	0,70	0,17	0,026	0,010	331,00	503,00	27,03
MON-56180	1-1/2 X 3/4		170502	0,18	0,80	0,20	0,001	0,015	315,24	448,15	23,54
MON-56180	1-1/2 X 1		170473	0,17	0,74	0,14	0,006	0,012	306,81	447,49	26,21
MON-56180	2 X 1/2		171444	0,17	0,79	0,19	0,007	0,016	313,22	462,60	24,10
MON-56180	2 X 1		171459	0,15	0,76	0,21	0,008	0,022	327,15	451,11	24,38
MON-56180	3 X 3/4		170627	0,16	0,75	0,15	0,006	0,011	325,70	449,90	27,81

Gernika (SPAIN), 21 de Julio de 2.017

Responsable de Calidad



COLD FINISHED  
FLAT BARS



COLD FINISHED  
FLAT BARS



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER PO039300

<b>Supplier:</b>	ACI001-VC Acier Ouellette Inc. 935 Boul. Du Havre Valleyfield QC J6S 5L1 Canada Phone: 800 667 4248 Fax: 450 377 5696	<b>PO No:</b>	PO039300
		<b>PO Date:</b>	3/13/18
		<b>Due Date:</b>	3/19/18
		<b>Purchase Order Revision:</b>	
		<b>Revision Date:</b>	
		<b>Ship-To Contact:</b>	Lavoie, Chantal Phone: clavoie@dartaero.com
		<b>Via:</b>	Ground
		<b>Pymt Terms:</b>	Net 30
		<b>Freight Terms:</b>	
		<b>Special Comments:</b>	QUOTE NO. SOU0091255, SOU0089404, SOU0090963, SOU0089881, SOU0089730

E-MAILED  
MAR 14 2018

## Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	M6061T6B0.500X04.500		6061T6 Bar 0.500 X 4.500 : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	3/19/18	12 ft	0 ft	12 ft	\$9.58333/ft	\$115.00
2	M2024T3S0.160		2024-T3 .160 Sheet : MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209 receive sf	Firmed	3/19/18	48 sf	0 sf	48 sf	\$26.190833/sf	\$1,257.16
3	M6061T6S4.500X12.000		6061T6 sheet 4.500 X 12.000 (Cut to 20.00") : MATERIAL: 6061- T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft	Firmed	3/19/18	1.67 ft	0 ft	2 ft	\$331.76047/ft	\$554.04

Line Item Note 1 PCS CUT AT 20" LONG

## PURCHASE ORDER

## Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
4	MT-4140-B-1.250X6.000		AISI 4140 Steel Bar Material: AISI 4140 STEEL BAR AS PER ASTM A29, AMS 6349, AMS 6382, AMS 6529, MIL-S-5626 MIN. ROCKWELL C = 28 RC MAX. ROCKWELL C = 32 RC	Firmed	3/28/18	10 ft	0 ft	10 ft	\$68.905/ft	\$689.05
5	MT-1144-R2.000		1144 Steel Proof Round Bar 2.000" AISI 1144 STRESSPROOF STEEL ROUND BAR ASTM A311 OR UNS G11440	Firmed	3/19/18	20 ft	0 ft	20 ft	\$15.5875/ft	\$311.75
6	MT-A513-T-1.125W0.188		A513 Seamless Alloy Steel Round Tubing 1.25"dia. x 0.188" Wall	Firmed	3/19/18	20 ft	0 ft	20 ft	\$7.25/ft	\$145.00
7	M6061T6TS1.000W.120		6061T6 Sq Tube 1.00 X 1.00 X .120W : MATERIAL: 6061-T6 OR 6061- T651/T6510/T6511/T62 SQUARE TUBING AS PER AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR PER AMS-QQ-A-200/8 OR AMS 4160 receive ft	Firmed	3/19/18	40 ft	0 ft	40 ft	\$1.69025/ft	\$67.61
8	M6061T6TS1.250W.120		6061T6 Sq Tube 1.250 X 1.250 X .120W : MATERIAL: 6061-T6 OR 6061- T651/T6510/T6511/T62 SQUARE TUBING AS PER AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR PER AMS-QQ-A-200/8 OR AMS 4160 receive ft	Firmed	3/19/18	40 ft	0 ft	40 ft	\$3.7225/ft	\$148.90
9	MT-4140-S-1.000X10.000		AISI 4140 Steel Sheet/Plate AISI 4140/4142 STEEL SHEET OR PLATE AS PER ASTM A829/AMS 6395	Firmed	3/28/18	6 ft	0 ft	6 ft	\$94.95333/ft	\$569.72

## PURCHASE ORDER

## Items

Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
10	M6061T6B1.000X3.000		6061T6 Bar 1.000 X 3.000 Firmed : MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR PER QQ-A-225/8 OR AMS-QQ- A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ- A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221 receive ft		3/19/18	12 ft	0 ft	12 ft	\$11.499166/ft	\$137.99
11	Mt-4140-S-1.500X3.000		4140 Steel Bar 1.500 X 3.000 Firmed : AISI 4140N STEEL SHEET OR PLATE AS PER ASTM A829 OR AMS 6395 MIN: ROCKWELL C = 28 RC MAX: ROCKWELL C = 32 RC receive ft		3/28/18	6 ft	0 ft	6 ft	\$87.50/ft	\$525.00
12	M1018B2.000X02.500		1010-1025 Steel Bar 2.000 X 2.500 Firmed : MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570 OR OR CSA G40-21 38W/44W/50W/60W/70W CSA G40-21 OR 38W/44W/50W/60W/70W receive ft		3/19/18	12 ft	0 ft	12 ft	\$26.681666/ft	\$320.18
13	MT-4140-R0.500		4140 Steel Round Bar 0.500" Firmed : AISI 4140 ROUND BAR AS PER ASTM A29/AMS 6349/AMS 6382/AMS 6529 MIN: ROCKWELL C = 20 RC MAX: ROCKWELL C = 38 RC receive ft		3/19/18	20 ft	0 ft	20 ft	\$2.4045/ft	\$48.09

Grand Total: \$4,889.49

## Order Notes

- Procurement Quality Clauses
- A005 right of entry
- A012 chemical and physical test report
- A016 personnel qualification
- A017 raw material identification (as applicable)
- A026 certification of material conformance
- A041 quality management system
- A042 part notification by supplier
- A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.



## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: MT-4140-R0.500  
 DATE: MAR 19 2018

PO / BATCH NO. 039300/5052587

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 24  
 QUANTITY INSPECTED: 24  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.500  
 THICKNESS RECEIVED: 0.500  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>A5tm A29</i>
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>Heat #190686</i>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

*testers located in the Quality Office*

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>DAS 11</u>	SIGNED OFF BY:	
DATE:	<u>9-89 MAR 19 2018</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

## SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL : AISI 4140 ROUND BAR  
 MINIMUM ROCKWELL C = 20 Rc  
 MAXIMUM ROCKWELL C = 38 Rc

SPECIFICATION:

ASTM A29, AMS 6349, AMS 6382, AMS 6529

MT-4140-R-[D,DDD]  
 WHERE "D,DDD" = DIAMETER IN INCHES  
 EX. 4" ROUND BAR = MT-4140-R-4.000

PART NUMBER:

REV.	DESCRIPTION	ECN #	DATE	BY	APPROVED
A	NEW ISSUE	17-780	17/12/13	VM	ML

<b>DART</b> AEROSPACE		Waterloo, Ontario, Canada
<b>AISI 4140 ROUND BAR</b>		
PART NO.	MT-4140-R	REV A
TOOL NO.		
UNLESS OTHERWISE SPECIFIED:		
ALL DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. UNLESS OTHERWISE SPECIFIED, SURFACES ARE TO BE FINISHED TO A MAXIMUM SURFACE ROUGHNESS OF 12.5 μm (0.5 mils). TOLERANCES ARE IN ACCORDANCE WITH ASME Y14.5M-2009. GEOMETRIC DIMENSIONING AND TOLERANCING CONVENTIONS APPLY AFTER FINISHING.		
DESIGNED BY:	VM 17/12/13	INITIALS AND DATE
DRAWN BY:	VM 12/13/2017	VM 12/13/2017
CHECKED BY:	ML 12/19/2017	ML 12/19/2017
INFO/REVIEW BY:	DP 12/20/2017	DP 12/20/2017
APPROVED BY:	ML 12/20/2017	ML 12/20/2017
SCALE: 1:10		SHEET 1 OF 1
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## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1018B2.000X02.500 PO / BATCH NO: 08930652586  
 DATE: MAR 19 2018

MATERIAL CERT REC'D: yes  
 QUANTITY RECEIVED: 13  
 QUANTITY INSPECTED: 13  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.000  
 THICKNESS RECEIVED: 2.000  
 SHEET SIZE ORDERED: N/A  
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> <input type="checkbox"/> (N)	
CORRECT FINISH	<input checked="" type="checkbox"/> <input type="checkbox"/> (Y)	N
CORROSION	<input checked="" type="checkbox"/> <input type="checkbox"/> (Y)	N
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> <input type="checkbox"/> (Y)	N
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> <input type="checkbox"/> (Y)	N use for chart toolin only PD 13-4-12
CORRECT THICKNESS	<input checked="" type="checkbox"/> <input type="checkbox"/> (Y)	N
PHOTO REQUIRED	<input checked="" type="checkbox"/> <input type="checkbox"/> (Y)	N
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> <input type="checkbox"/> (Y)	N <del>Heath 170852</del>
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> <input type="checkbox"/> (Y)	N
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> <input type="checkbox"/> (Y)	N
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	<input checked="" type="checkbox"/> <input type="checkbox"/> (Y)	N
DOES THIS REQUIRE AN EXTRUSION REPORT	<input checked="" type="checkbox"/> <input type="checkbox"/> (Y)	N

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>11</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>MAR 19 2018</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>CP</i>	APPROVED <i>[Signature]</i>	DRAWING NO. M1010-B	REV A SHEET 1 OF 1
DATE 01.12.06	TITLE AISI 1010-1025 BAR		SCALE NTS
A	01.12.06	NEW ISSUE	

PURCHASE MATERIAL: AISI 1010-1025 OR ASTM A36 /A366 /A569 /A570  
OR CSA G40-21, 38W/44W/50W/60W/70W

PART NUMBER:

M1010-B | T. TTT | X | W.W.WWW | WHERE T.TTT = THICKNESS (IN INCHES)  
THICK | WIDTH | W.W.WWW = WIDTH (IN INCHES)

EG. 0.75" X 250" BAR = M1010-B 0.750 X 02.500

RELEASED  
01.12.07

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